NOVEMBER/DECEMBER 2023

CEBT64B — PHARMACEUTICAL BIOTECHNOLOGY

Time : Three hours Maximum : 75 marks

LIBRARY

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define Pharmacodynamics
2. Outline the steps involved in drug metabolism.
3. List the antifungal drugs.
4. Explain the term TNF.
5. Define Entrapment.
6. Summarize the role of streptodornase.
7. What is meant by microencapsulation?
8. Outline the advantages of capsule dosage form.
9. What are the components of IAEC?
10. Explain about animal models used for research.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Identify the mechanism of drug elimination.

Or

(b) Analyze how drugs are distributed in the body.

12. (a) Organize the drugs used to treat inflammation.

Or

(b) Examine the production of IFN.

13. (a) Identify the techniques of immobilization.

Or

(b) Analyze the immobilization method for bacterial cells.

14. (a) Identify the material used for production of hard gelatin capsules.

Or

(b) Examine the evaluation of micro capsules.

LIBRARY

15. (a) Identify how laboratory animal care plays important role in research.

Or

(b) Examine the various clinical models used for screening of new drugs.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the various routes of drug administration.

17. Deduce the methodology involved in hybridoma technology.

18. Explain the importance in studying penicillinase and streptokinase.

19. Elaborate on the Micro-encapsulation technique.

20. Discuss in detail about drug discovery process.

———————